

[gal]

Alluvium
Includes stream gravels and alluvial fan deposits.

[Qls]

Landslides
Includes landslides and mud flows.

[Gtg]

River-terrace gravels
Probably Wisconsin in age.

[Gd]

Glacial drift
Pre-Wisconsin till, probably correlative with Cerro glacial stage drift.

[Km]

Mancos shale
Gray to black shale and a few thin fossiliferous limestones.

[Kd]

Dakota sandstone
Conglomeratic sandstone, sandstone, carbonaceous shale, and locally thin coal beds.

[Jabb]

Morrison formation
Brushy Basin shale member, Jabb, variegated red and gray claystone and siltstone; thin, bluish, variegated siltstone; greenish-gray dolomite; locally includes a thin equivalent of the Burro Canyon formation of Early Cretaceous age at top. Solt Wash sandstone member, Jmsw, thick lenticular sandstones and some interbedded mudstones.

[Jw]

Wannah formation
Greenish-gray to red-brown silty siltstones, and a few thin, limy sandstones at top; in center Bulk Creek sandstone member, soft, fine-grained, light-colored sandstone with distinctive "carmelian" sandstone at top; at base, Pony Express limestone member, dark-gray to black bimimetic limestone, absent in western half of the quadrangle.

[Je]

Entrada sandstone
Massive, light-colored, crossbedded sandstone; some even-bedded sandstone at the top; locally contains tabular vanadium-uranium deposits.

[Rd]

Dolores formation
Red siltstone, sandstone, shale, and a few thin limestone-pebble conglomerates; a quartz-pebble conglomerate or grit at the base; locally includes a thin Wingate sandstone equivalent at the top.

[Pc]

Cutler formation
Grayish- to purplish-red micaceous sandstone, siltstone and arkose; numerous arkosic conglomerates.

[di]

Intrusive rocks
Sills and discordant intrusions of equigranular and porphyritic andesite and diorite, in the Dakota sandstone and the Mancos shale.

[an]

Andesitic dikes, an, intrusive in the Permian, Triassic, and Jurassic sedimentary rocks.

[Xm]

Biotite-monchiquite dikes, xm, intrusive in the Permian and Jurassic rocks.

[cl]

Clastic dikes
Dikes composed of rounded and angular fragments of igneous, metamorphic, and sedimentary rocks, ranging in size up to 6 or 9 inches, in a fine-to coarse-grained matrix; intrusive in the Cutler and Dolores formations.

(Dashed where approximately located)

(Includes inferred contacts and indefinite boundaries of surficial deposits)

Showing dip in degrees
(Dashed where approximately located, short dashes where projection inferred; dotted where concealed; U, upthrown side; D, downthrown side)

(Drawn on base of Dakota sandstone; dashed where approximately located; short dashes indicate projection above surface. Above San Miguel Canyon base of Dakota is projected from the base of the Dolores formation, by proportion of measurements of the Cutler-Dakota stratigraphic interval. Contour interval 100 feet. Datum is mean sea level.)

[Sh]

Shaft

[Adit]

Mine or quarry

